

# Recombinant Full Length Nostoc Punctiforme Photosystem I Assembly Protein Ycf4(Ycf4) Protein, His-Tagged

**Cat. No.** RFL18846NF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Nostoc punctiforme Photosystem I assembly protein Ycf4(ycf4) Protein (B2J2W1) (1-189aa), fused to N-terminal His tag, was expressed in E. coli.                                  |
| <b>Species</b>          | Nostoc punctiforme                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Full Length (1-189)                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MTTSTTINKGDRLLHQNVLGSRFSNYWWATIVTLGASGFLLAGISSYLKVNLLIVSD<br>PTQLVFVPQGLVMGLYGAAAGLLLATYLVLLVDVGGGYNEFNQETGTIKIFRWGFP<br>GKNRR IEIDSRIEDVQSVRIAVKEGLNPIRALYLRIGRRDIPLTRVGQPLSLTELETE<br>GAKLAR FLGVSLEGL |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                              |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                      |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|---------------------------------------------|
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
|-----------------------|---------------------------------------------|

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**GENE INFORMATION****Gene Name**

ycf4

**Synonyms**

ycf4; Npun\_F3638; Photosystem I assembly protein Ycf4

**UniProt ID**[B2J2W1](#) Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA